

STEEL GALVANIZED COMPRESSION FITTINGS

 LARGE RANGE OF COMPRESSION FITTINGS  SUPERIOR IN PRICE & QUALITY



PRODUCT CATALOGUE

Steel galvanised compression fittings

 <p>Straight coupling 2 x compression ends</p>	 <p>Reduced, straight coupling 2 x compression ends</p>	 <p>Sleeve 2 x compression ends</p>	 <p>Straight coupling male x compression end</p>	 <p>Straight coupling female x compression end</p>
 <p>Elbow coupling 2 x compression ends</p>	 <p>Elbow, reduced 2 x compression ends</p>	 <p>Elbow coupling male x compression end</p>	 <p>Elbow coupling female x compression end</p>	 <p>Push-in elbow compression end x male</p>
 <p>Elbow with air escape 2 x compression ends</p>	 <p>T-coupling 3 x compression ends</p>	 <p>T-coupling, reduced 3 x compression end</p>	 <p>T-coupling Compression end x female x compression end</p>	 <p>T-coupling Compression end x compression end x female</p>
 <p>Corner Tee 3 x compression ends</p>	 <p>Cross-over Tee 3 x compression ends</p>	 <p>Cross-over 4 x compression ends</p>	 <p>Radiator head, straight male x compression end</p>	 <p>Radiator head, square angle male x compression end</p>
 <p>Compression nut</p>	 <p>Compression ring</p>	 <p>Compression ring, thick-walled</p>	 <p>Air vent plug</p>	 <p>End plug</p>

 <p>Stop end 1 x compression end</p>	 <p>Reducing set 3-piece</p>	 <p>Expansion vessel bracket Female x compression end</p>	 <p>Air vent</p>	 <p>Adapter male, thick-walled male x compression end</p>
 <p>Adapter female, thick-walled female x compression end</p>	 <p>Sleeve coupling, thick-walled 2 x compression ends</p>	 <p>Adapter for ALU-PEX for distributor 346</p>	 <p>Adapter for PEX for distributor 346</p>	 <p>Adapter for copper / steel</p>
 <p>Nut</p>	 <p>End plug</p>	 <p>Adapter</p>	 <p>Straight coupling M22, 17mm x clamp</p>	 <p>Elbow coupling M22 x M22</p>
 <p>Adapter coupling M22, 17mm x male</p>	 <p>Straight coupling M22, 17mm x female</p>	 <p>Elbow coupling M22, 17mm x male</p>	 <p>T-coupling M22 x M22 x M22</p>	

INTRODUCTION

BONFIX B.V. supplies a large complete range of steel galvanized compression fittings for 15 to 42mm pipes, as used in central heating systems. A special compression ring provides a direct connection between thin-walled pipes and thick-walled pipes. The compression ring guarantees a watertight seal and has been TNO tested. A product range, unique in diversity.

BONFIX steel galvanized compression fittings are designed for central heating systems only. Other usage requires prior written endorsement by BONFIX B.V.

FITTINGS

BONFIX steel galvanized compression fittings are used in combination with standard commercially available thin-walled steel galvanized pipes. The fittings can be implemented in an operating environment with a temperature range of: 0 °C to +90 °C and a maximum peak temperate of +120 °C. Maximum pressure 10 bar at +15 °C and 6 bar at +90 °C.

PIPES

BONFIX steel galvanized compression fittings are used in combination with any pipe that conforms to the following:

- Thin-walled, steel galvanized, seamless or welded as per EN 10303-2 (formerly DIN 2393) or EN 10305-3 / NEN1982 (formerly DIN 2394).
- Thick-walled central heating pipe manufactured in conformity with DIN 2440 and ISO R65.
- Copper pipe, hard, half hard and soft copper, dimensions as per EN 1057, wall-thickness as per KIWA BRL-K760/03. Any copper pipe bearing the KIWA mark will satisfy the above requirements. A support sleeve is required when using pipes of half hard or soft copper.
- Pipes of various materials can be connected using an identical type of compression fitting type with varying compression rings.
- Furthermore, combinations of thin-walled and thick-walled pipes are enabled up a pipe diameter of 2". Thick-walled compression rings compensate for the size difference of thick-walled and thin-walled pipes. Special fittings are required for rings sized 1½" and 2". To identify which fittings, refer to thick-walled fittings whose article code starts as; 563., 564.. or 565..

QUALITY MARK

The steel galvanized compression fittings do not bear a quality mark.



INSTALLATION INSTRUCTIONS

- ✓ Cut the pipe to the correct length.



- ✓ Remove any burrs and check the pipe end for scratches, contamination or deformation.



- ✓ Slide the coupling nut over the pipe and the compression ring. Check the fitting for correct position of the compression ring. In case of a compression ring for thick-walled pipe, push the long side of the ring into the fitting. Feed pipe into fitting until stopped. The ring should abut the conical seat of the fitting.




- ✓ Fasten the coupling nuts by hand and tighten with the right spanner by 1½ turn (= 9 spanner faces). Compression rings for thick-walled pipe must be re-tightened after the first heat cycle by at least ½ turn (= 3 ½ spanner faces).



- ✓ Check the connection for tightness and make sure the installation complies with local standards.
- ✓ Pipe systems must be installed with none of the fittings under tension. Where necessary use expansion joints and bends.

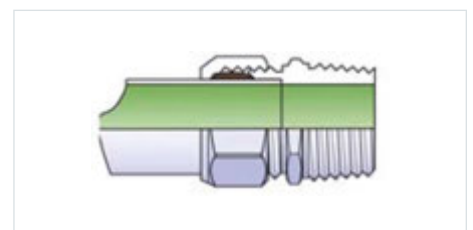
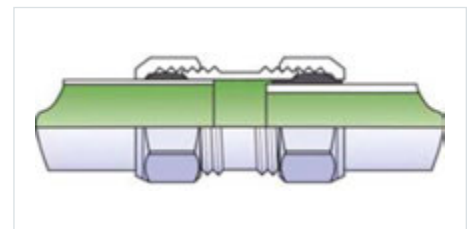
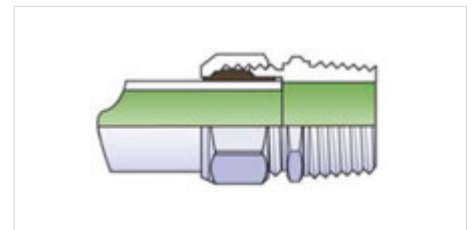
Size of compression rings for thin-walled and thick-walled pipes with same size compression fittings:


Thick-walled pipe	---	¾"	½"	¾"	1"	1¼"
Diameter fitting (mm)	15	22	22	28	35	42

 **Note:** Always use new compression rings when reusing a fitting.

INSTRUCTIONS FOR INSTALLING COMPRESSION RING:

- ✓ Insert thick-walled ring with long side into fitting.
- ✓ Position of compression rings with thin-walled and thick-walled pipe fitting, after assembly.
- ✓ Correct position of compression fitting with compression ring for thin-walled pipe.



 Use appropriate tools for installation and prevent damage.

WARRANTY AND LIABILITY

Warranty and liability apply as per our general terms and conditions.
Damage caused by stress corrosion is not covered under product warranty.